

Nuclear Medicine Technology Certificate

NM 100	Physics and Radiation Safety in Nuclear Medicine Technology	5
NM 102	Nuclear Medicine Technology	3
NM 103	Nuclear Medicine Techniques I	4
NM 104	Clinical Nuclear Medicine I	1
NM 105	Nuclear Medicine Techniques II	3
NM 107	Instrumentation and Computers in Nuclear Medicine Technology	4
NM 202	Clinical Nuclear Medicine II	2
NM 203	Radiopharmacy and Radiation Chemistry	2
NM 204	Clinical Nuclear Medicine III	4
NM 205	Professional Development	2
MDA 108	Basic Medical Terminology	1
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Computed Tomography Certification Certificate (Career)

NM 220	CT Principles & Instrumentation	3
NM 222	Cross-sectional Anatomy	3
NM 224	CT Protocols & Applications	3
NM 226	Clinical Practicum	3
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Cover Image courtesy of Siemens Healthcare.


*In order to meet the new demands within the field accepted student will dedicate three (3) semesters or 12 months to the NMT curriculum and the two (2) semesters (6 months) to the dedicated CT curriculum. Upon completion students will earn a Certificate in Nuclear Medicine Technology and in Computed Tomography. Graduates will be qualified to take the national certification exams for nuclear medicine technology and the post primary certification in Computed Tomography. The combination of focus meets the expanding needs of nuclear medicine technology that includes dual modality imaging. Prerequisites for this program include EN 101, BI 103, BI 104, CH 101, MA 130, MA 206, PY 101 and MDA 108. All courses require a grade of "C" or better. See page 11 for application information.

07/15



Frederick Community College

Nuclear Medicine Technology Certification



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Nuclear Medicine



The Program (Certificate)

Prepares students as entry-level nuclear medicine technologists in a specialized area of diagnostic imaging which includes both body structure and function. Nuclear medicine technologists perform procedures to assist physicians in the diagnosis and treatment of patients. Recently the nuclear medicine field has expanded to include molecular imaging using positron emission tomography (PET), and fusion imaging using hybrid scanners, such as PET/CT and SPECT/CT. In order to meet the new demands within the field accepted student will dedicate three (3) semesters or 12 months to the NMT curriculum and the two (2) semesters (6 months) to the dedicated CT curriculum. Upon completion students will earn a Certificate in Nuclear Medicine Technology and Computed Tomography. Graduates will be qualified to take the national certification exams for nuclear medicine technology and the post primary certification in Computed Tomography. The combination of focus meets the expanding needs of nuclear medicine technology that includes dual modality imaging.

Program Benefits

- Study in a small cohort of 13 students
- Learn from radiology imaging professionals who bring real-world experience to the classroom
- Combine scientific research techniques with hand-on application
- Dual certification upon graduation

Skills You Will Learn

Knowledge in learning activities associated with:

- Patient care
- Phlebotomy
- Diagnostic and therapeutic procedures
- Radiation protection
- Radiopharmacy
- Instrumentation
- Quality control
- Manipulation of clinical data/processing

Skills You Will Need

- Communication skills sufficient to explain procedures, interact with others and convey information in writing
- Communicate both verbally and in writing in a clear and concise manner
- Ability to monitor patients in a dimly lit room
- Ability to recognize emergency situations and take appropriate actions
- Emotional stability to assume responsibility for actions, provide patients with emotional support, adapt to environmental stress, and monitor own emotions
- Integrity and honesty while providing quality patient care

Criteria for Student Selection

- Complete application for admission to Frederick Community College and the Nuclear Medicine Technology Program and all application criteria.
- NMT application available January-March online for best consideration. Rolling admission until full.

Prerequisites that you need to get into the program are:

- BI103 Anatomy & Physiology
- BI104 Anatomy & Physiology
- CH101 General Chemistry
- EN101 English Comp
- MA130 College Algebra
- MA206 Elementary Statistics
- MDA108 Basic Medical Terminology
- PY101 Survey of Physics

Transfer Note

FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Nuclear Medicine Technology and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471.

- University of Baltimore–
B.S. Health Systems Management
- University of Baltimore at Shady Grove–
B.S. Health Systems Management

Related noncredit classes

- Diversity & Cross Cultural Communication in Healthcare
- CPR
- Phlebotomy

Noncredit classes subject to change.

Financial Aid/Scholarship Opportunities

FCC participates in federal, state and local financial aid programs. Students are encouraged to apply for financial aid, and for scholarships offered by the College and community. Financial aid applications are available in the Financial Aid Office, J301, or online at www.fafsa.ed.gov. The scholarship application is available at www.frederick.edu.

Frederick Community College prohibits discrimination against any person on the basis of age, ancestry, citizenship status, color, creed, ethnicity, gender identity and expression, genetic information, marital status, mental or physical disability, national origin, race, religious affiliation, sex, sexual orientation, or veteran status in its activities, admissions, educational programs, and employment.

Frederick Community College makes every effort to accommodate individuals with disabilities. If you have accommodation needs, please call 301.846.2408. To request a sign language interpreter, please call 240.629.7939 or 301.846.2408 (Voice) or email Interpreting@frederick.edu. Requests for any accommodation should be made at least five working days prior to attending a scheduled event.

*** Gainful employment (Nuclear Medicine Technology Certificate)** - For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.frederick.edu/gainfulemployment.

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